

# NOvA Experiment Status

## All Experimenter's Meeting

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# Operations – Summary



## ☐ BEAM:

- Slip stacking since Thu. Maintenance on Tue, when beam down.

## ☐ NearDet:

- No maintenance last week.
- Some DAQ issues, otherwise good performance.

## ☐ FarDet:

- Swapped many electronics during maintenance.
- Now only 2 cooling issues (out of 10k APDs).
- Many repaired channels now show good data.
- Only minor data downtimes when beam up.

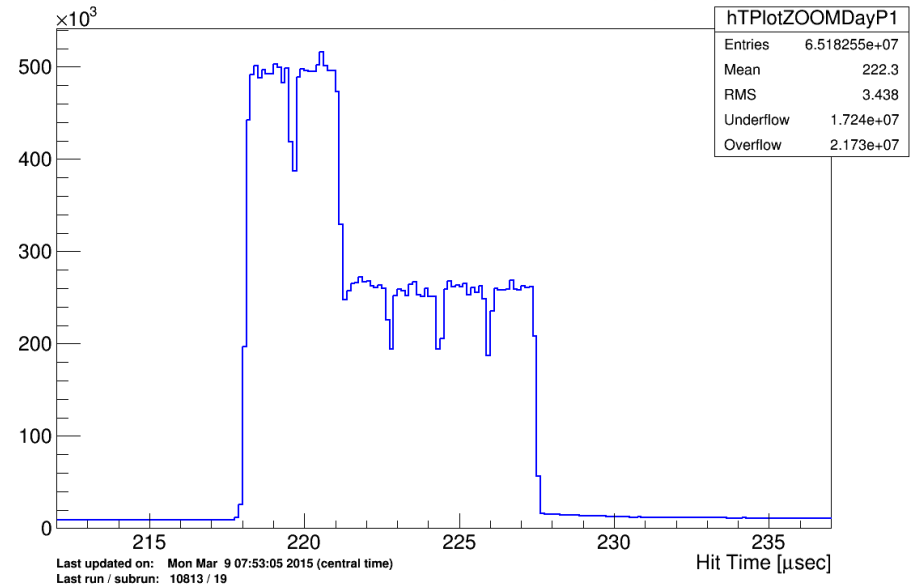
## ☐ Control Room(s): ok

# Operations – Slip Stack Cycles

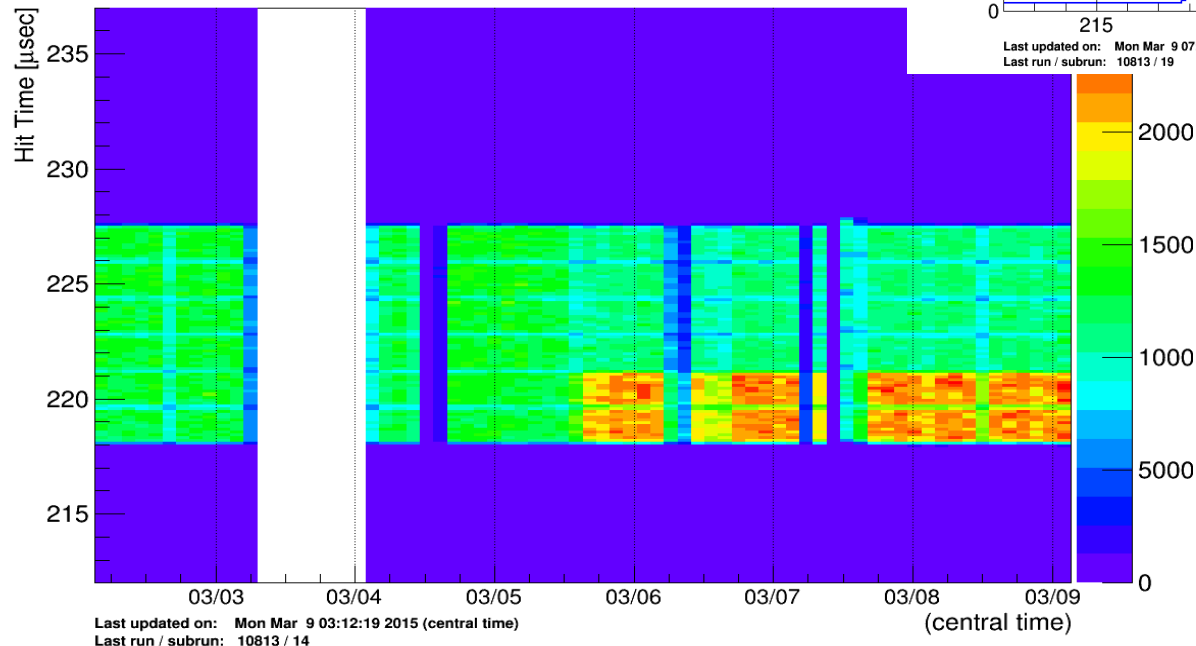


- Visible increased POTs delivered and recorded

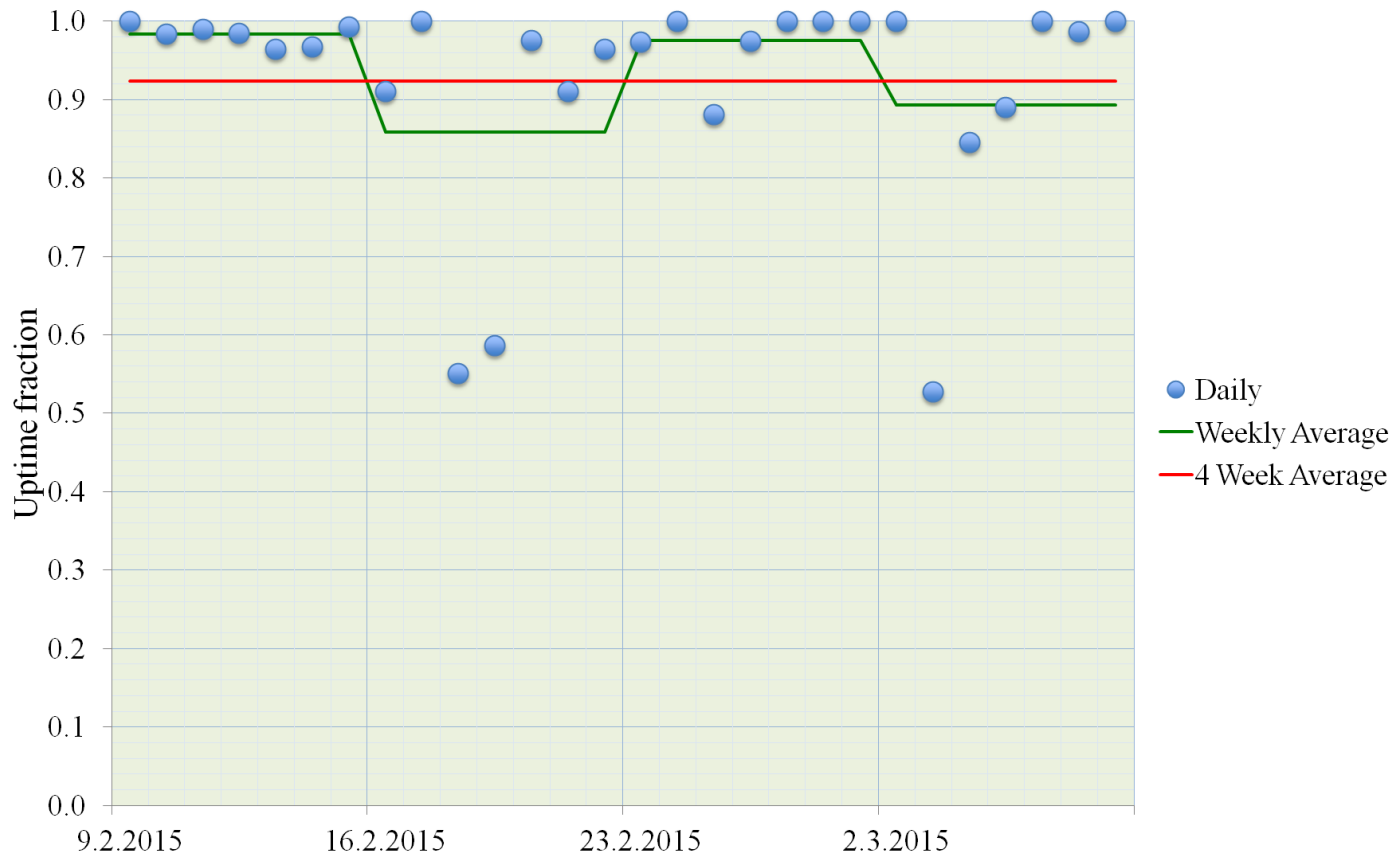
NuMI Time Distribution for All Hits (past 24 hrs.) - partition 1



NuMI Time Distribution for All Hits vs. Time - parti

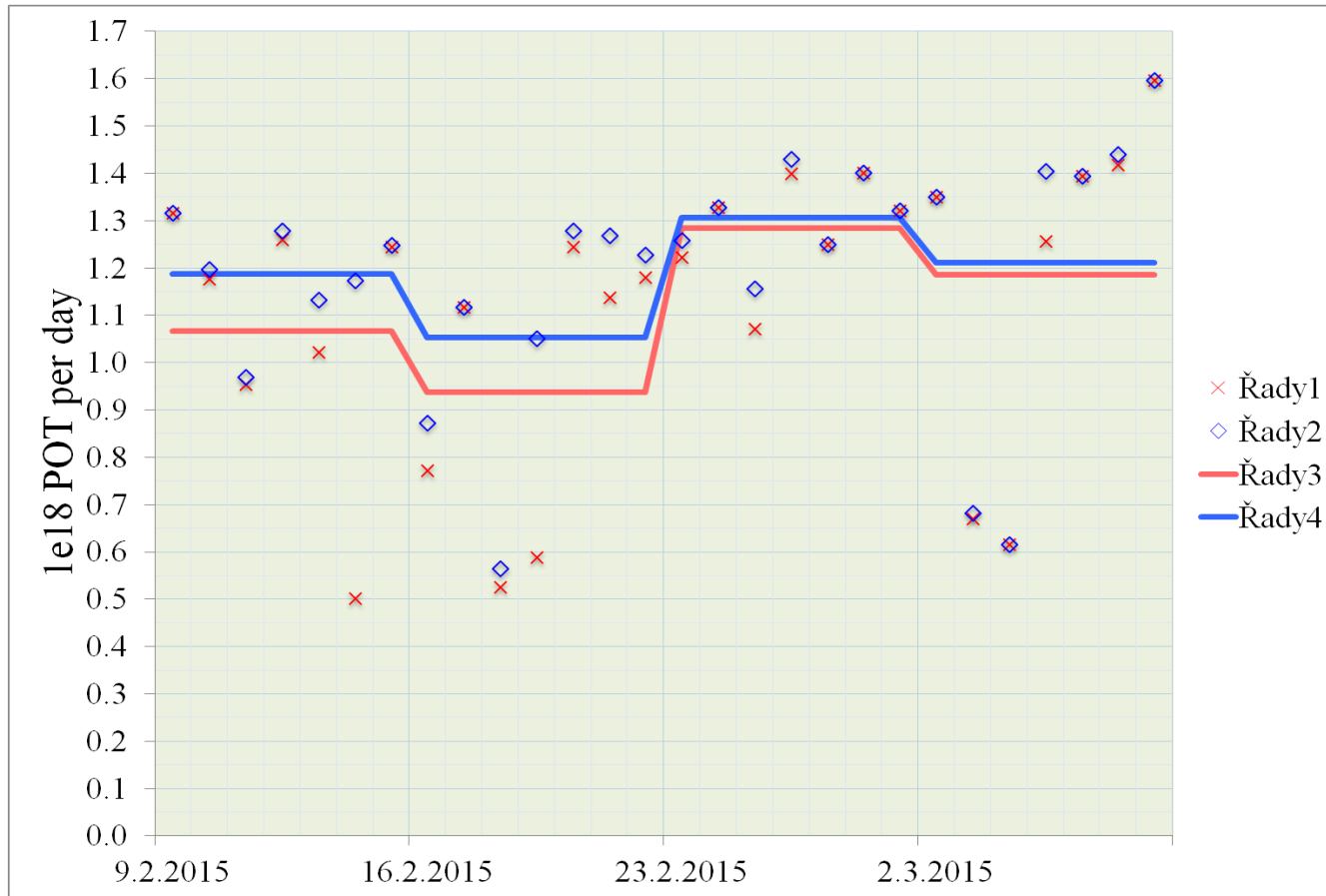


# FD: Data taking Uptime



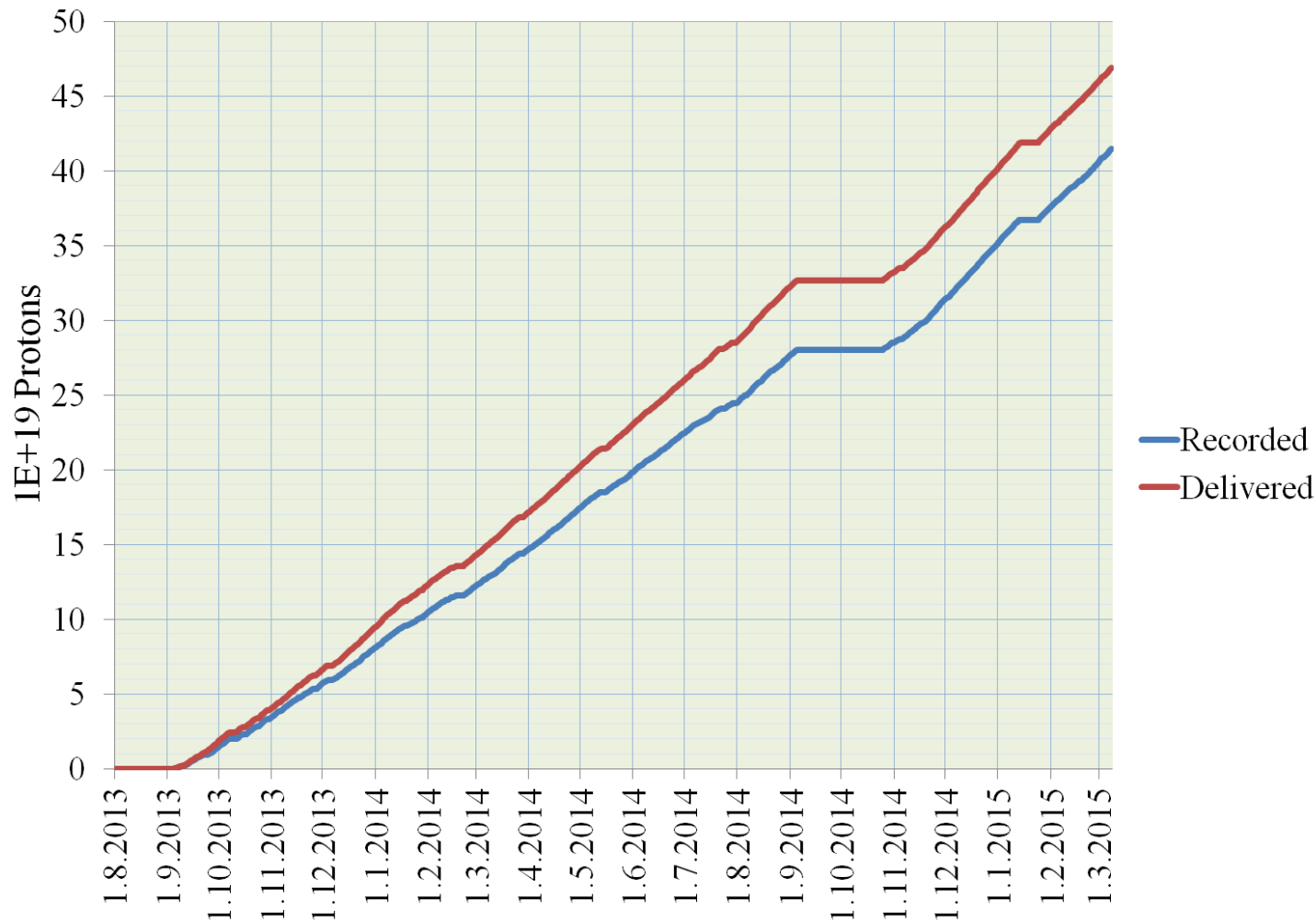
- Last week running uptime efficiency only at 89.3%, in total of 18 hours down.
- Nevertheless only small part - 1.9 % no data when beam was up.
- Most part of DAQ down time during maintenance of detector on Tue/Wed.
- Many FEBs and APDs swapped to solve cooling issues or noisy/blank channels.
- On Wed we had to apply new HV settings and test newly installed electronics.

# FD: POTs delivered/recorded



- Past week efficiency was very good 97.9%, (8.30 of 8.48 e18 POTs).
- Only short down times when beam was up.
- Note: Sun Mar 8 (UTC) was the best ever single day in both delivered and recorded POTs.
- Weekend at end of Feb we were running 124 hours without DAQ interruptions.

# FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 134.9/142.8 e18 POTs (94.5%)